First and Final Bill

DOR => 06/04/2018

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 189511

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....M/s KRIDL.....

Date of ~~commencement~~ completion of work.....12/02/2018.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:	Improvements to cc Roads and RCC drains in Mallasandra colony in Mallasandra ward no: 13 Settihalli Subdivision					
	Estimate cost-Rs	50.00 Lakhs					
	JOB code No:	013-18-000047					
	AS NO: →	EE/PD/AS/16/2017-18					
	TS NO: →	CE/TS/255/2017-18					
	W.O.No →	EE/PD/W.O/05/2017-18 dated 14-11-2017					

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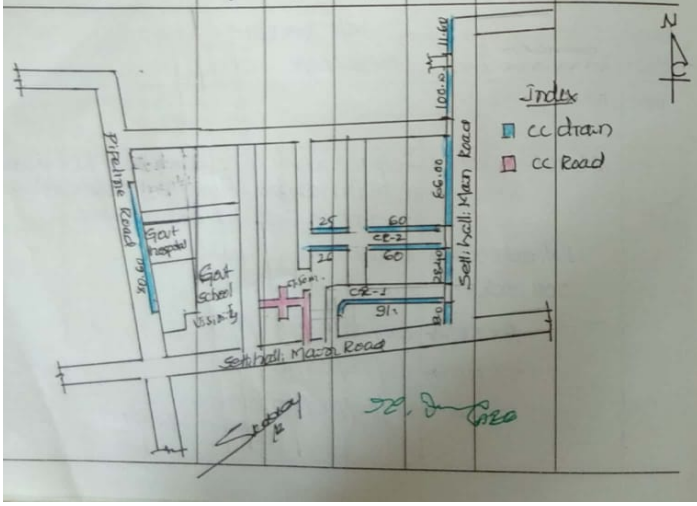
MEASUREMENT BOOK

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8



M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189512

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation by manual means in ordinary soil involving an horizontal through up to 2m and an average lift up to 1.5m excavated surface levelled and sides neatly dressed the disposed earth to be levelled after breaking of clods etc complete as per specification.						
	BF Premeasurement Recorded in this MB Vide page No: 189567						
	i.e 534.58 M^3 @ Rate Rs 175.96/M^3					Rs 104622=30	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	e) Removing BS slab drain and stacking BF Premeasurement Recorded in this MB Vide page No: 189568 ie 800.56 M^2 @Rate R 65.72/m^2					R 52612.80	
	3) Providing and laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180kgs with 40mm and d/s graded granite mechine mixed concrete laid in layers not exceeding 15cms thick well compacted etc complete as per specification. BF Premeasurement Recorded in this MB Vide page No: 189569						
	a) Using available CA ie	57.43	M^3 @Rate R	4443.52/m^3		R 255131.35	
	b) Balance qtty	32.66	M^3 @Rate R	5159.09/m^3		R 168493.59	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 189513

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) Construction of granular sub base by providing coarse aggregate of granite/hoop/basalt material spreading in uniform thickness with motor grader on perpared surface etc complete as per specification BF Premeasurement Recorded in this MB Vide page No: 189570 ie 17.82 m^3 @Rate R 1582.58/m^3					R 28201.5	
	5) Providing and laying in position placed mix concrete of mix 1:4:8 with opc cement @ 180 kg mechine mixed concrete laid in layers not exceeding						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	15cms thick well compacted for walls and bottom etc complete as per specification.						
	BF Premeasurement Recorded in this MB vide page No: 189570						
	ie 47.82 M^3 @ Rate Rs 5159.02/m^3 Rs					91933 = 74	
6)	Providing and laying plain cement concrete for Side drains using M-20 nominal mix concrete with OPC cement @ 300 kgs with 20 mm and d/s gauge granite metal machine mixed concrete laid in layers not exceeding 15cms thick well compacted etc complete as per specification.						
	For cc drain						
	Selihalli Main Rd LHS For Rabt ch 0.00 - 9.00	1	9.00	0.90	0.15	1.22	
	9.00 - 13.50 culvert gap						

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

189514

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ch 13.50 - 41.90	1	28.40	0.90	0.15	3.83	
	41.90 - 47.10	culvert gap					
	47.10 - 113.10	2	30.00	0.90	0.15	8.10	
		1	6.00	0.90	0.15	0.81	
	113.10 - 117.80	culvert gap					
	117.80 - 217.80	3	30.00	0.90	0.15	12.15	
		1	10.00	0.90	0.15	1.35	
	217.80 - 221.70	culvert gap					
	221.70 - 233.30	1	11.60	0.90	0.15	1.57	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st Cross Road - LHS	3	30.00	0.90	0.15	12.15	
		1	1.00	0.90	0.15	0.14	
	2nd Cross Road LHS -	2	30.00	0.90	0.15	8.10	
		1	26.00	0.90	0.15	3.51	
	RHS	2	30.00	0.90	0.15	8.10	
		1	25.00	0.90	0.15	3.38	
	Pipeline road	1	30.00	0.90	0.15	4.05	
		1	10.00	0.90	0.15	1.35	
		1	4.80	0.90	0.15	0.65	
		1	23.30	0.90	0.15	3.15	
		1	12.50	0.90	0.15	1.69	

C Sft

M L C

Sr. Jr. C&EO

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 189515

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For cc drain wall Sethihalli Main Rd LHS.						
	0-9.40	2	9.00	0.15	0.60	1.62	
	13.5-41.90	2	28.40	0.15	0.60	5.11	
	47.10-113.10	2x2	30.00	0.15	0.60	10.80	
		2	6.00	0.15	0.60	1.08	
	117.80-217.80	3x2	30.00	0.15	0.60	16.20	
		2	10.00	0.15	0.60	1.80	
	221.70-233.30	2	11.60	0.15	0.60	2.09	
	1st Cross LHS	3x2	30.00	0.15	0.60	16.20	
		2	1.06	0.15	0.60	0.18	

C Sft

M L C

Sr. Jr. C&EO

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd cross LHS	2x2	30.00	0.15	0.60	10.80	
		2	26.00	0.15	0.60	4.68	
	RHS	2x2	30.00	0.15	0.60	10.80	
		2	25.00	0.15	0.60	4.50	
	Pipelineroad	2	30.00	0.15	0.60	5.40	
		2	10.00	0.15	0.75	2.25	
		2	4.80	0.15	0.75	1.08	
		2	23.30	0.15	0.65	4.54	
		2	12.50	0.15	0.60	2.25	
						175.33 m³	
		Extra cost to 175.14 m³					
		@Rate Rs 11032.48/m³				Rs 19,32,228=55	
		a+x+e.					

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

189516

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7)	Construction of RCC reinforced plain cement concrete pavement thickness as per design over a prepared subbase with one cement or any other type as per clause 1051.2.2 with 25mm and dia graded granite metal with super plasticizer mixed in a concrete mixer not less 0.60 cum compacted using needle screed and plate vibrator etc complete as per specification.						
	Backside road from Govt School	1	4.10	$\frac{2.20+2.40}{2}$	0.15	1.41	
		1	10.90	$\frac{2.00+2.21}{2}$	0.15	3.47	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	4.90	2.50+1.55/2	0.15	1.49	
		1	8.65	1.80+1.30/2	0.15	2.01	
		1	5.00	0.80	0.15	0.60	
		1	1.50	0.40	0.15	0.09	
		1	8.70	1.20+1.50/2	0.15	1.76	
		1	9.40	1.40+1.20/2	0.15	1.83	
		1	2.00	1.50	0.15	0.45	
		1	1.40	2.80	0.15	0.59	
		1	12.50	2.00+2.40/2	0.15	4.13	
						17.83 m^3	
			Qty Limited to 17.82 m^3				
			@ Rate Rs 6217.96/m^3			Rs	1,10,804=05

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

189517

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	a) Providing TMT steel reinforcement for RCC work including straightening cutting, bending hooking and placing in position etc complete as per specification. BF Premeasurement Recorded in this book vide page No: 189571 ie 10.51 tonnes @ Rate 64243.42/-						Rs 675198=3
	g) Providing and laying reinforced precast covering slabs of RCC 1:1.5:3 100mm thick. Spitbrick Main Room	1	9.00	0.90	-	8.10	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	28.40	0.90	–	25.56	
		2	30.00	0.90	–	54.00	
		1	6.00	0.90	–	5.40	
		3	30.00	0.90	–	81.00	
		1	10.00	0.90	–	9.00	
		1	11.60	0.90	–	10.44	
	1st Cross Road LHS	3	30.00	0.90	–	81.00	
		1	1.00	0.90	–	0.90	
	2nd Cross Road LHS	2	30.00	0.90	–	54.00	
		1	26.00	0.90	–	23.40	
	RHS	2	30.00	0.90	–	54.00	
		1	25.00	0.90	–	22.50	
	pipeline road -	1	30.00	0.90	–	27.00	
		1	10.00	0.90	–	9.00	
		1	4.80	0.90	–	4.32	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189518

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	23.30	0.90	–	20.97	
		1	12.50	0.90	–	11.25	
		2	30.00	0.90	–	54.00	
						555.84 m^2	
	Gitty Limit to 554.40 m^2						
	@ Rate R. 1957/m^2					R. 10,84,360-80	
					Sub Total R.		4504247-
	Add KRIDL charges @ 11%					R.	485467-
					Grand Total R.		49,99,714-

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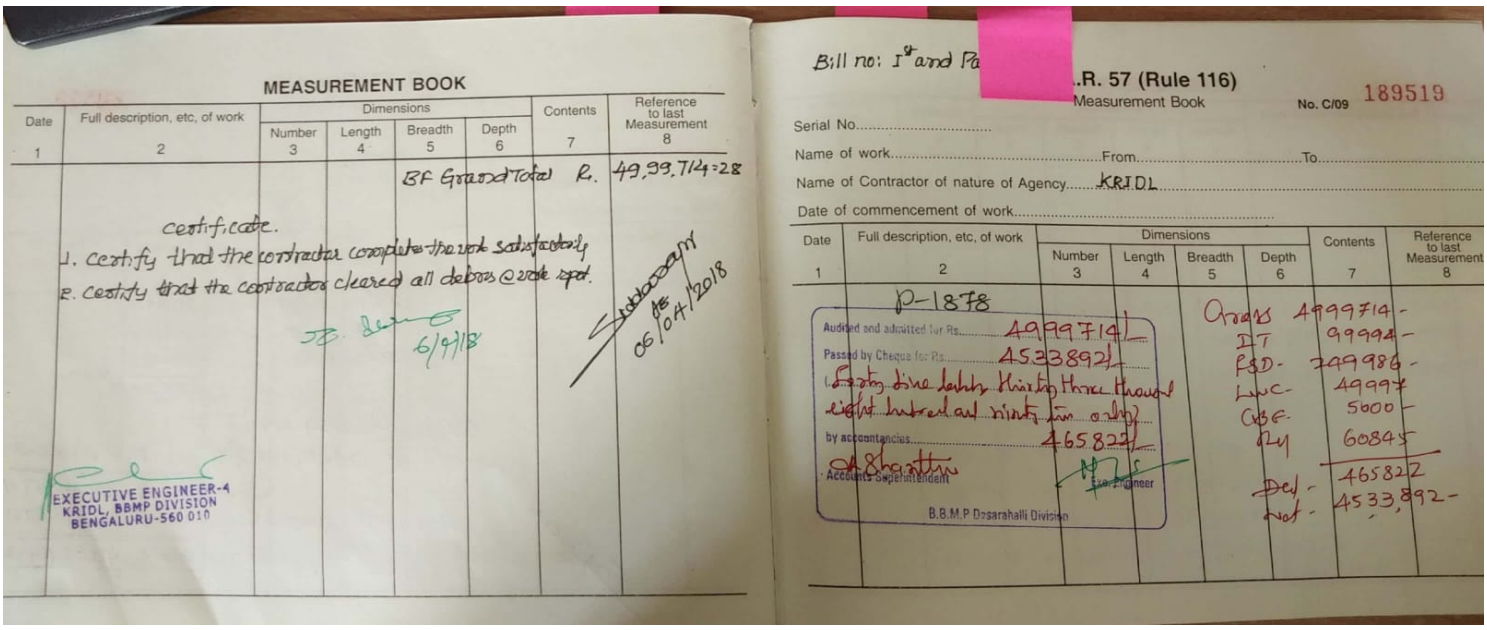

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				BF Grand Total R.			49,99,714=28

certificate.

1. Certify that the contractor completed the work satisfactorily
2. Certify that the contractor cleared all debris @ work spot.

6/9/18

06/04/2018

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Bill no: 1st and Fa

..R. 57 (Rule 116)
Measurement Book
No. C/09 189519

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....KRIDL.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	P-1878					Gross	4999714-
						IT	99994-
						FSD-	399986-
						LWC-	49997
						QSE-	5000-
						RA	60845
							465827
						Ded-	465827
						Net-	4533892-

Audited and admitted for Rs. 4999714/-
Passed by Cheque for Rs. 4533892/-
(Rupees forty five lakhs thirty three thousand eight hundred and ninety two only)
by accountancies. 465827/-
Accounts Superintendent
Executive Engineer
B.B.M.P Dasarahalli Division

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Premeasurement

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of the work:- Improvements to cc Roads and Drains in Mallasandra colony in Mallasandra Ward no: 13						
	Job code No: 013-17-000047						
	1) Earth work excavation by manual means.						
	for cc drain						
	Sethihalli Main Road LHS						
	0-9	1	9.00	1.00	1.00	9.00	
	13.5-41.90	1	28.40	1.00	1.00	28.40	
	47.10-113.10	2	30.00	1.00	1.00	60.00	
		1	6.00	1.00	1.00	6.00	
	117.80-217.8	3	30.00	1.00	1.00	90.00	
		1	10.00	1.00	1.00	10.00	
	221.70-233.30	1	11.60	1.00	1.00	11.60	
	2nd cross Road LHS	3	30.00	1.00	1.00	90.00	
		1	1.00	1.00	1.00	1.00	

M.A.R. 57 (Rule 116)
Measurement Book
No. C/09
189566

Serial No.....
Name of work.....From.....To.....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd cross Road LHS	2	30.00	1.00	1.00	60.00	
		1	26.00	1.00	1.00	26.00	
	RHS	2	30.00	1.00	1.00	60.00	
		1	25.00	1.00	1.00	25.00	
	Pipeline road	1	30.00	1.00	1.00	30.00	
		1	10.00	1.00	1.00	10.00	
		1	4.80	1.00	1.00	4.80	
		1	33.30	1.00	1.00	33.30	
		1	12.50	1.00	1.00	12.50	

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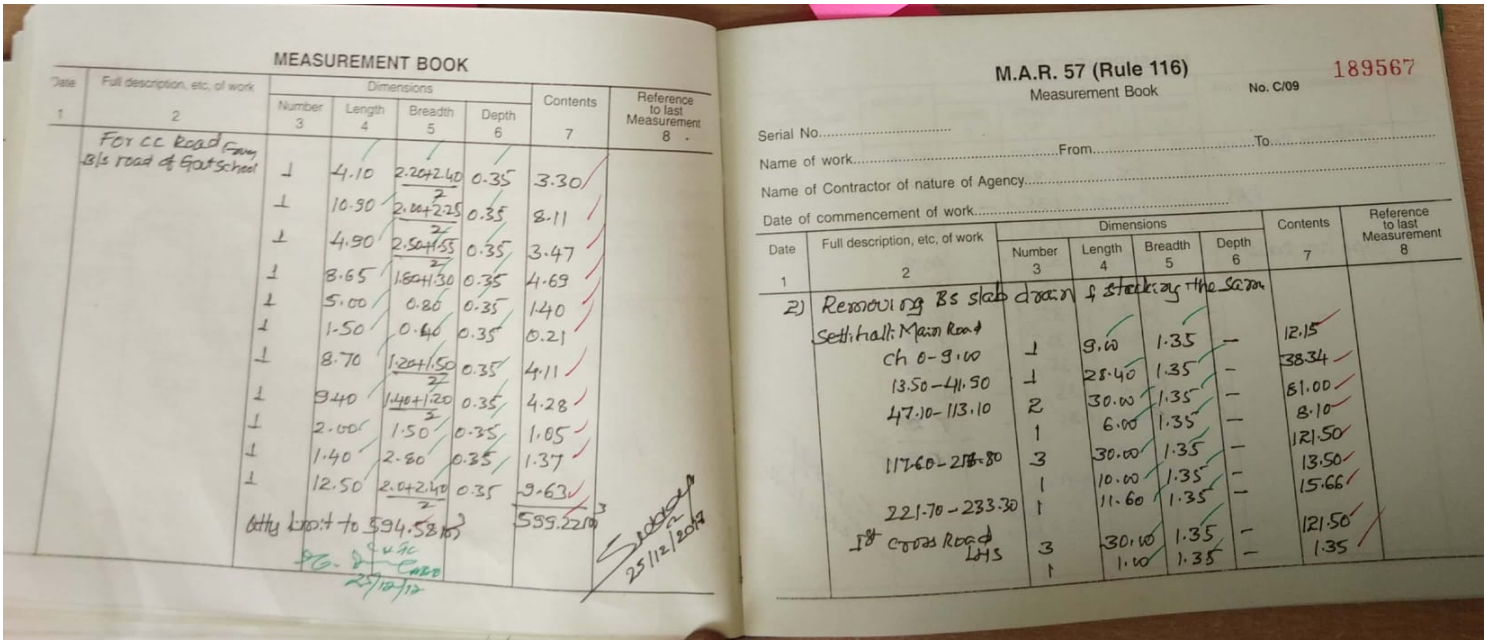

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For CC Road Gravy B/s road & Gatschool	1	4.10	2.20+2.40 / 2	0.35	3.30	
		1	10.50	2.20+2.25 / 2	0.35	8.11	
		1	4.90	2.50+1.55 / 2	0.35	3.47	
		1	8.65	1.80+1.30 / 2	0.35	4.69	
		1	5.00	0.80	0.35	1.40	
		1	1.50	0.40	0.35	0.21	
		1	8.70	1.20+1.50 / 2	0.35	4.11	
		1	9.40	1.40+1.20 / 3	0.35	4.28	
		1	2.00	1.50	0.35	1.05	
		1	1.40	2.80	0.35	1.37	
		1	12.50	2.0+2.40 / 2	0.35	9.63	
	Getty Limit to 594.58 M					595.22	

25/12/2017

25/12/2017

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

189567

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Removing BS slab drain & stacking the same						
	Sethihalli Main Road						
	ch 0-9.00	1	9.00	1.35	–	12.15	
	13.50-41.90	1	28.40	1.35	–	38.34	
	47.10-113.10	2	30.00	1.35	–	81.00	
		1	6.00	1.35	–	8.10	
	117.60-218.80	3	30.00	1.35	–	121.50	
		1	10.00	1.35	–	13.50	
	221.70-233.30	1	11.60	1.35	–	15.66	
	1st Cross Road LHS	3	30.00	1.35	–	121.50	
		1	1.00	1.35	–	1.35	

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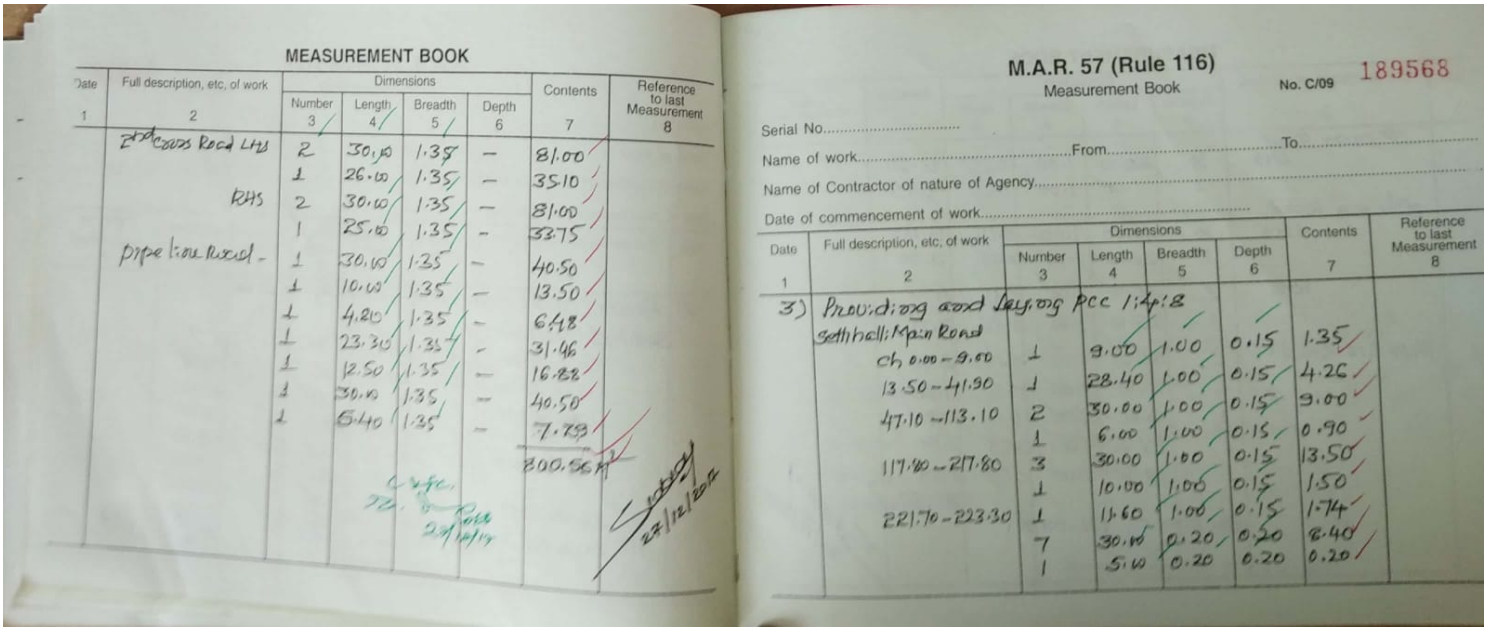

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	2nd Cross Road LHS	2	30.00	1.35	—	81.00	
		1	26.00	1.35	—	35.10	
	RHS	2	30.00	1.35	—	81.00	
		1	25.00	1.35	—	33.75	
	pipe line crossing	1	30.00	1.35	—	40.50	
		1	10.00	1.35	—	13.50	
		1	4.80	1.35	—	6.48	
		1	23.30	1.35	—	31.46	
		1	12.50	1.35	—	16.88	
		1	30.00	1.35	—	40.50	
		1	5.40	1.35	—	7.29	
						800.56	

M.A.R. 57 (Rule 116)
Measurement Book
No. C/09 189568

Serial No.....
Name of work.....From.....To.....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	3) Providing and laying PCC 1:4:8						
	Sathhalli Main Road						
	ch 0.00 - 9.00	1	9.00	1.00	0.15	1.35	
	13.50 - 41.90	1	28.40	1.00	0.15	4.26	
	47.10 - 113.10	2	30.00	1.00	0.15	9.00	
		1	6.00	1.00	0.15	0.90	
	117.80 - 217.80	3	30.00	1.00	0.15	13.50	
		1	10.00	1.00	0.15	1.50	
	221.70 - 223.30	1	11.60	1.00	0.15	1.74	
		7	30.00	0.20	0.20	8.40	
		1	5.00	0.20	0.20	0.20	

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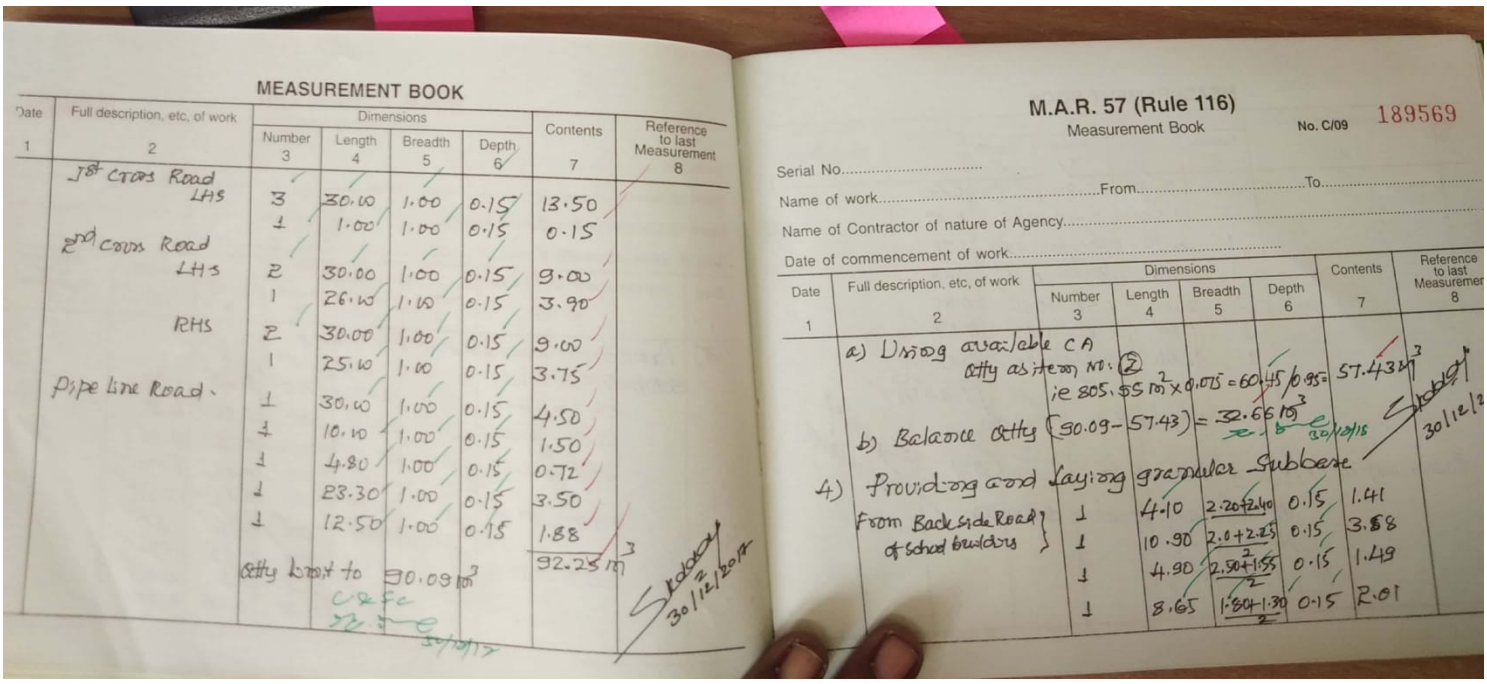

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st Cross Road LHS	3	30.00	1.00	0.15	13.50	
		1	1.00	1.00	0.15	0.15	
	2nd Cross Road LHS	2	30.00	1.00	0.15	9.00	
		1	26.00	1.00	0.15	3.90	
	RHS	2	30.00	1.00	0.15	9.00	
		1	25.00	1.00	0.15	3.75	
	Pipe Line Road.	1	30.00	1.00	0.15	4.50	
		1	10.00	1.00	0.15	1.50	
		1	4.80	1.00	0.15	0.72	
		1	23.30	1.00	0.15	3.50	
		1	12.50	1.00	0.15	1.88	
	Cutty Brought to Office					92.25 m^3	

Checked 30/12/2017

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 189569

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	a) Using available CA cutty as item No. (2) ie 805.55 m^2 × 0.075 = 60.45 × 0.95 =					57.434 m^3	
	b) Balance cutty (90.09 − 57.43) =					32.65 m^3	
	4) Providing and laying granular Subbase						
	From Back side Road of school buildings	1	4.10	$\frac{2.20+2.40}{2}$	0.15	1.41	
		1	10.90	$\frac{2.0+2.25}{2}$	0.15	3.88	
		1	4.90	$\frac{2.50+1.55}{2}$	0.15	1.49	
		1	8.65	$\frac{1.80+1.30}{2}$	0.15	2.01	

Checked 30/12/2017

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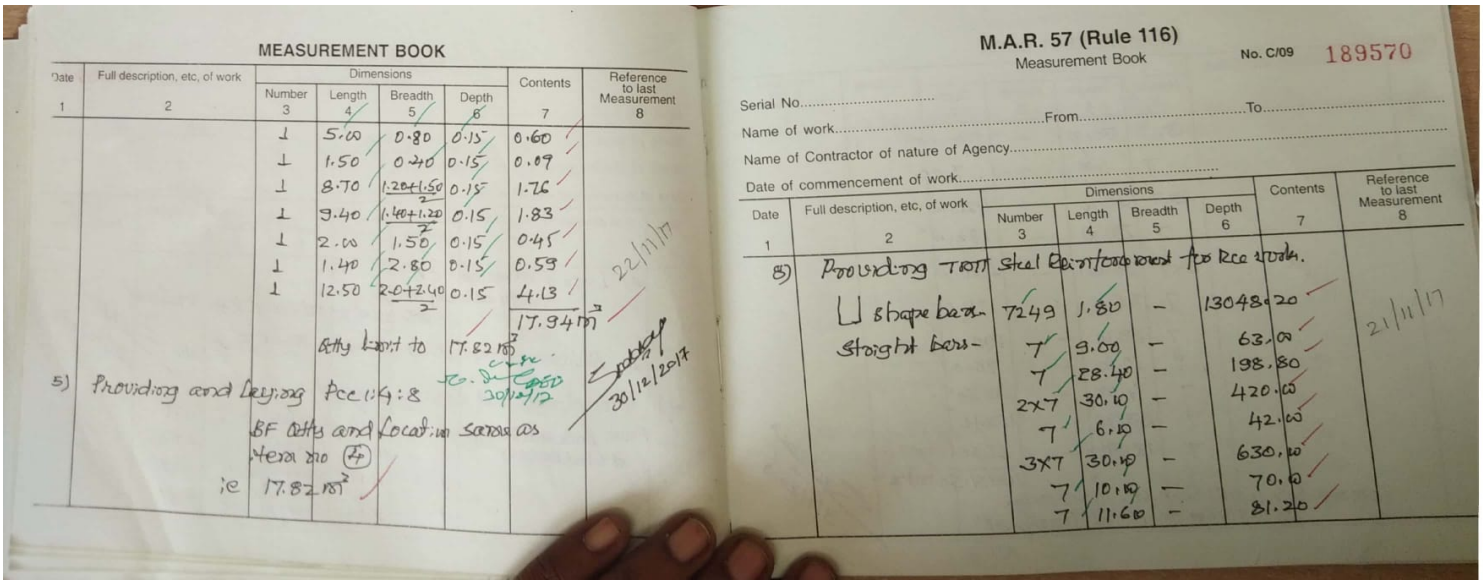

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	5.00	0.80	0.15	0.60	
		1	1.50	0.40	0.15	0.09	
		1	8.70	(1.20+1.50)/2	0.15	1.76	
		1	9.40	(1.40+1.20)/2	0.15	1.83	
		1	2.00	1.50	0.15	0.45	
		1	1.40	2.80	0.15	0.59	22/11/17
		1	12.50	(2.0+2.40)/2	0.15	4.13	
						17.94 m³	
			Deduct b.w.r.t to			17.82 m³	
5)	Providing and laying		Rec 1:4:8				30/12/2017
		BF deduct and Location same as Item no (4)					
		ie	17.82 m³				

M.A.R. 57 (Rule 116)
Measurement Book
No. C/09 189570

Serial No.....
Name of work.....From.....To.....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	Providing Trmt steel Reinforcement for Rcc work.						
	U shape bars	7249	1.80	–	13048.20		21/11/17
	straight bars-	7	9.00	–	63.00		
		7	28.40	–	198.80		
		2x7	30.00	–	420.00		
		7	6.00	–	42.00		
		3x7	30.00	–	630.00		
		7	10.00	–	70.00		
		7	11.60	–	81.20		

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		3x7	30.40	—	630.40		
		7	1.00	—	7.00		
		2x7	30.40	—	420.40		
		7	26.40	—	182.40		
		2x7	30.40	—	420.40		
		7	25.40	—	175.40		
		7	30.40	—	210.40		
		7	10.40	—	70.00		
		7	4.80	—	33.60		
		7	23.30	—	163.10		
		7	12.50	—	87.50		
					16951.50 mts.		

10mm ϕ bars 16951.50 x 0.62 = 10509.90 kgs
or 10510 kgs or 10.51 Tonnes

3/1/18

3/1/2018